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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/809,617

DATE: 01/26/2002
TIME: 13:46:01

Input Set : N:\Crf3\RULE60\09809617.raw
Output Set: N:\CRF3\01252002\I809617.raw

1 <110> APPLICANT: Sheppard, Paul O.
 2 Baindur, Nand
 3 Deisher, Theresa A.
 4 Bishop, Paul D.
 5 <120> TITLE OF INVENTION: DISINTEGRIN HOMOLOG
 6 <130> FILE REFERENCE: 98-29
 7 <140> CURRENT APPLICATION NUMBER: 09/809,617
 8 <141> CURRENT FILING DATE: 2001-03-15
 10 <150> PRIOR APPLICATION NUMBER: US/09/351,414
 11 <151> PRIOR FILING DATE: 1999-07-09
 14 <160> NUMBER OF SEQ ID NOS: 13
 15 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 2268
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Homo sapiens
 21 <220> FEATURE:
 22 <221> NAME/KEY: CDS
 23 <222> LOCATION: (3)...(2090)
 24 <221> NAME/KEY: misc_feature
 25 <222> LOCATION: (1)...(2268)
 26 <223> OTHER INFORMATION: n = A,T,C or G
 27 <400> SEQUENCE: 1
 28 cc act gtg ttg gaa ttc ggc acg agg ctt gac aca aag gca aga cac 47
 Thr Val Leu Glu Phe Gly Thr Arg Leu Asp Thr Lys Ala Arg His
 29 1 5 10 15
 30 cag caa aaa cat aat aag gct gtc cat ctg gcc cag gca agc ttc cag 95
 31 Gln Gln Lys His Asn Lys Ala Val His Leu Ala Gln Ala Ser Phe Gln
 32 20 25 30
 33 att gaa gcc ttc ggc tcc aaa ttc att ctt gac ctc ata ctg aac aat 143
 34 Ile Glu Ala Phe Gly Ser Lys Phe Ile Leu Asp Leu Ile Leu Asn Asn
 35 35 40 45
 36 ggt ttg ttg tct tat gtg gag att cac tac gaa aat ggg aaa 191
 37 Gly Leu Leu Ser Ser Asp Tyr Val Glu Ile His Tyr Glu Asn Gly Lys
 38 50 55 60
 39 cca cag tac tct aag ggt gga gag cac tgt tac cat gga agc atc 239
 40 Pro Gln Tyr Ser Lys Gly Gly Glu His Cys Tyr Tyr His Gly Ser Ile
 41 65 70 75
 42 aga ggc gtc aaa gac tcc aag gtg gct ctg tca acc tgc aat gga ctt 287
 43 Arg Gly Val Lys Asp Ser Lys Val Ala Leu Ser Thr Cys Asn Gly Leu
 44 80 85 90 95
 45 cat ggc atg ttt gaa gat gat acc ttc gtg tat atg ata gag cca cta 335
 46 His Gly Met Phe Glu Asp Asp Thr Phe Val Tyr Met Ile Glu Pro Leu
 47

ENTERED

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Input Set : N:\Crf3\RULE60\09809617.raw
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48	100	105	110	
49	gag ctg gtt cat gat gag aaa agc aca ggt cga cca cat ata atc cag			383
50	Glu Leu Val His Asp Glu Lys Ser Thr Gly Arg Pro His Ile Ile Gln			
51	115	120	125	
52	aaa acc ttg gca gga cag tat tct aag caa atg aag aat ctc act atg			431
53	Lys Thr Leu Ala Gly Gln Tyr Ser Lys Gln Met Lys Asn Leu Thr Met			
54	130	135	140	
55	gaa aga ggt gac cag tgg ccc ttt ctc tct gaa tta cag tgg ttg aaa			479
56	Glu Arg Gly Asp Gln Trp Pro Phe Leu Ser Glu Leu Gln Trp Leu Lys			
57	145	150	155	
58	aga agg aag aga gca gtg aat cca tca cgt ggt ata ttt gaa gaa atg			527
59	Arg Arg Lys Arg Ala Val Asn Pro Ser Arg Gly Ile Phe Glu Glu Met			
60	160	165	170	175
61	aaa tat ttg gaa ctt atg att ggt aat gat cac aaa acg tat aag aag			575
62	Lys Tyr Leu Glu Leu Met Ile Gly Asn Asp His Lys Thr Tyr Lys Lys			
63	180	185	190	
64	cat cgc tct tct cat gca cat acc aac aac ttt gca aag tcc gtg gtc			623
65	His Arg Ser Ser His Ala His Thr Asn Asn Phe Ala Lys Ser Val Val			
66	195	200	205	
67	aac ctt gtg gat tct att tac aag gag cag ctc aac acc agg gtt gtc			671
68	Asn Leu Val Asp Ser Ile Tyr Lys Glu Gln Leu Asn Thr Arg Val Val			
69	210	215	220	
70	ctg gtg gct gta gag acc tgg act gag aag gat cag att gac atc acc			719
71	Leu Val Ala Val Glu Thr Trp Thr Glu Lys Asp Gln Ile Asp Ile Thr			
72	225	230	235	
73	acc aac cct gtg cag atg ctc cat gag ttc tca aaa tac cgg cag cgc			767
74	Thr Asn Pro Val Gln Met Leu His Glu Phe Ser Lys Tyr Arg Gln Arg			
75	240	245	250	255
76	att aag cag cat gct gat gtc cac ctc atc tcg cgg gtg aca ttt			815
77	Ile Lys Gln His Ala Asp Ala Val His Leu Ile Ser Arg Val Thr Phe			
78	260	265	270	
79	cac tat aag aga agc agt ctg agt tac ttt gaa ggt gtc tgt tct cgc			863
80	His Tyr Lys Arg Ser Ser Leu Ser Tyr Phe Glu Gly Val Cys Ser Arg			
81	275	280	285	
82	aca aga gga gtt ggt gtc aat gag tat ggt ctt cca atg gca gtg gca			911
83	Thr Arg Gly Val Gly Val Asn Glu Tyr Gly Leu Pro Met Ala Val Ala			
84	290	295	300	
85	caa gta tta tcg cag agc ctg gct caa aac ctt gga atc caa tgg gaa			959
86	Gln Val Leu Ser Gln Ser Leu Ala Gln Asn Leu Gly Ile Gln Trp Glu			
87	305	310	315	
88	cct tct agc aga aag cca aaa tgt gac tgc aca gaa tcc tgg ggt ggc			1007
89	Pro Ser Ser Arg Lys Pro Lys Cys Asp Cys Thr Glu Ser Trp Gly Gly			
90	320	325	330	335
91	tgc atc atg gag gaa aca ggg gtg tcc cat tct cga aaa ttt tca aag			1055
92	Cys Ile Met Glu Glu Thr Gly Val Ser His Ser Arg Lys Phe Ser Lys			
93	340	345	350	
94	tgc agc att ttg gag tat aga gac ttt tta cag aga gga ggt gga gcc			1103
95	Cys Ser Ile Leu Glu Tyr Arg Asp Phe Leu Gln Arg Gly Gly Ala			
96	355	360	365	

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97	tgc ctt ttc aac agg cca aca aag cta ttt gag ccc acg gaa tgt gga	1151
98	Cys Leu Phe Asn Arg Pro Thr Lys Leu Phe Glu Pro Thr Glu Cys Gly	
99	370 375 380	
100	aat gga tac gtg gaa gct ggg gag gag tgt gat tgt ggt ttt cat gtg	1199
101	Asn Gly Tyr Val Glu Ala Gly Glu Glu Cys Asp Cys Gly Phe His Val	
102	385 390 395	
103	gaa tgc tat gga tta tgc tgt aag aaa tgt tcc ctc tcc aac ggg gct	1247
104	Glu Cys Tyr Gly Leu Cys Cys Lys Cys Ser Leu Ser Asn Gly Ala	
105	400 405 410 415	
106	cac tgc agc gac ggg ccc tgc tgt aac aat acc tca tgt ctt ttt cag	1295
107	His Cys Ser Asp Gly Pro Cys Cys Asn Asn Thr Ser Cys Leu Phe Gln	
108	420 425 430	
109	cca cga ggg tat gaa tgc cggt gat gct gtg aac gag tgt gat att act	1343
110	Pro Arg Gly Tyr Glu Cys Arg Asp Ala Val Asn Glu Cys Asp Ile Thr	
111	435 440 445	
112	gaa tat tgt act gga gac tct ggt cag tgc cca cca aat ctt cat aag	1391
113	Glu Tyr Cys Thr Gly Asp Ser Gly Gln Cys Pro Pro Asn Leu His Lys	
114	450 455 460	
115	caa gac gga tat gca tgc aat caa aat cag ggc cgc tgc tac aat ggc	1439
116	Gln Asp Gly Tyr Ala Cys Asn Gln Asn Gln Gly Arg Cys Tyr Asn Gly	
117	465 470 475	
118	gag tgc aag acc aga gac aac cag tgt cag tac atc tgg gga aca aag	1487
119	Glu Cys Lys Thr Arg Asp Asn Gln Cys Gln Tyr Ile Trp Gly Thr Lys	
120	480 485 490 495	
121	gct gca ggg tct gac aag ttc tgc tat gaa aag ctg aat aca gaa ggc	1535
122	Ala Ala Gly Ser Asp Lys Phe Cys Tyr Glu Lys Leu Asn Thr Glu Gly	
123	500 505 510	
124	act gag aag gga aac tgc ggg aag gat gga gac cgg tgg att cag tgc	1583
125	Thr Glu Lys Gly Asn Cys Gly Lys Asp Gly Asp Arg Trp Ile Gln Cys	
126	515 520 525	
127	agc aaa cat gat gtg ttc tgt gga ttc tta ctc tgt acc aat ctt act	1631
128	Ser Lys His Asp Val Phe Cys Gly Phe Leu Leu Cys Thr Asn Leu Thr	
129	530 535 540	
130	cga gct cca cgt att ggt caa ctt cag ggt gag atc att cca act tcc	1679
131	Arg Ala Pro Arg Ile Gly Gln Leu Gln Gly Glu Ile Ile Pro Thr Ser	
132	545 550 555	
133	ttc tac cat caa ggc cgg gtg att gac tgc agt ggt gcc cat gta gtt	1727
134	Phe Tyr His Gln Gly Arg Val Ile Asp Cys Ser Gly Ala His Val Val	
135	560 565 570 575	
136	tta gat gat gat acg gat gtg ggc tat gta gaa gat gga acg cca tgt	1775
137	Leu Asp Asp Asp Thr Asp Val Gly Tyr Val Glu Asp Gly Thr Pro Cys	
138	580 585 590	
139	595 600 605	
140	ggc ccg tct atg atg tgt tta gat cgg aag tgc cta caa att caa gcc	1823
141	Gly Pro Ser Met Met Cys Leu Asp Arg Lys Cys Leu Gln Ile Gln Ala	
142	610 615 620	
143	cta aat atg agc agc tgt cca ctc gat tcc aag ggt aaa gtc tgt tcg	1871
144	Leu Asn Met Ser Ser Cys Pro Leu Asp Ser Lys Gly Lys Val Cys Ser	
145	610 615 620	
	ggc cat ggg gtg tgt agt aat gaa gcc acc tgc att tgt gat ttc acc	1919

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/809,617

DATE: 01/26/2002
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Input Set : N:\Crf3\RULE60\09809617.raw
Output Set: N:\CRF3\01252002\I809617.raw

146	Gly His Gly Val Cys Ser Asn Glu Ala Thr Cys Ile Cys Asp Phe Thr			
147	625	630	635	
148	tgg gca ggg aca gat tgc agt atc cgg gat cca gtt agg aac ctt cac		1967	
149	Trp Ala Gly Thr Asp Cys Ser Ile Arg Asp Pro Val Arg Asn Leu His			
150	640	645	650	655
151	ccc ccc aag gat gaa gga ccc aag ggt ttg tgt gat ttt ggt ttc aat		2015	
152	Pro Pro Lys Asp Glu Gly Pro Lys Gly Leu Cys Asp Phe Gly Phe Asn			
153	660	665	670	
154	tca tgg aat act gaa ttc gtt gac act gtt cca atg cac cag tat aac		2063	
155	Ser Trp Asn Thr Glu Phe Val Asp Thr Val Pro Met His Gln Tyr Asn			
156	675	680	685	
W--> 157	att cta att gac tta aga gga gac aca taagaatatc ngttttgcc		2110	
158	Ile Leu Ile Asp Leu Arg Gly Asp Thr			
159	690	695		
160	tttaaaagtat ataatttatg ttactgccaa attaaggatt ctgatatatc atattttaa		2170	
161	aatgtgttg aattactct tagtctagaa ctgagattgg gaagaagtaa atatacacat		2230	
162	tttcttaat acagtattct tttctcttt aaacctta		2268	
164 <210>	SEQ ID NO: 2			
165 <211>	LENGTH: 696			
166 <212>	TYPE: PRT			
167 <213>	ORGANISM: Homo sapiens			
168 <400>	SEQUENCE: 2			
169	Thr Val Leu Glu Phe Gly Thr Arg Leu Asp Thr Lys Ala Arg His Gln			
170	1	5	10	15
171	Gln Lys His Asn Lys Ala Val His Leu Ala Gln Ala Ser Phe Gln Ile			
172	20	25	30	
173	Glu Ala Phe Gly Ser Lys Phe Ile Leu Asp Leu Ile Leu Asn Asn Gly			
174	35	40	45	
175	Leu Leu Ser Ser Asp Tyr Val Glu Ile His Tyr Glu Asn Gly Lys Pro			
176	50	55	60	
177	Gln Tyr Ser Lys Gly Gly Glu His Cys Tyr Tyr His Gly Ser Ile Arg			
178	65	70	75	80
179	Gly Val Lys Asp Ser Lys Val Ala Leu Ser Thr Cys Asn Gly Leu His			
180	85	90	95	
181	Gly Met Phe Glu Asp Asp Thr Phe Val Tyr Met Ile Glu Pro Leu Glu			
182	100	105	110	
183	Leu Val His Asp Glu Lys Ser Thr Gly Arg Pro His Ile Ile Gln Lys			
184	115	120	125	
185	Thr Leu Ala Gly Gln Tyr Ser Lys Gln Met Lys Asn Leu Thr Met Glu			
186	130	135	140	
187	Arg Gly Asp Gln Trp Pro Phe Leu Ser Glu Leu Gln Trp Leu Lys Arg			
188	145	150	155	160
189	Arg Lys Arg Ala Val Asn Pro Ser Arg Gly Ile Phe Glu Glu Met Lys			
190	165	170	175	
191	Tyr Leu Glu Leu Met Ile Gly Asn Asp His Lys Thr Tyr Lys Lys His			
192	180	185	190	
193	Arg Ser Ser His Ala His Thr Asn Asn Phe Ala Lys Ser Val Val Asn			
194	195	200	205	
195	Leu Val Asp Ser Ile Tyr Lys Glu Gln Leu Asn Thr Arg Val Val Leu			

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Input Set : N:\Crf3\RULE60\09809617.raw
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196	210	215	220
197	Val Ala Val Glu Thr Trp Thr Glu Lys Asp Gln Ile Asp Ile Thr Thr		
198	225	230	235
199	Asn Pro Val Gln Met Leu His Glu Phe Ser Lys Tyr Arg Gln Arg Ile		240
200	245	250	255
201	Lys Gln His Ala Asp Ala Val His Leu Ile Ser Arg Val Thr Phe His		
202	260	265	270
203	Tyr Lys Arg Ser Ser Leu Ser Tyr Phe Glu Gly Val Cys Ser Arg Thr		
204	275	280	285
205	Arg Gly Val Gly Val Asn Glu Tyr Gly Leu Pro Met Ala Val Ala Gln		
206	290	295	300
207	Val Leu Ser Gln Ser Leu Ala Gln Asn Leu Gly Ile Gln Trp Glu Pro		
208	305	310	315
209	Ser Ser Arg Lys Pro Lys Cys Asp Cys Thr Glu Ser Trp Gly Gly Cys		
210	325	330	335
211	Ile Met Glu Glu Thr Gly Val Ser His Ser Arg Lys Phe Ser Lys Cys		
212	340	345	350
213	Ser Ile Leu Glu Tyr Arg Asp Phe Leu Gln Arg Gly Gly Ala Cys		
214	355	360	365
215	Leu Phe Asn Arg Pro Thr Lys Leu Phe Glu Pro Thr Glu Cys Gly Asn		
216	370	375	380
217	Gly Tyr Val Glu Ala Gly Glu Glu Cys Asp Cys Gly Phe His Val Glu		
218	385	390	395
219	Cys Tyr Gly Leu Cys Cys Lys Lys Cys Ser Leu Ser Asn Gly Ala His		
220	405	410	415
221	Cys Ser Asp Gly Pro Cys Cys Asn Asn Thr Ser Cys Leu Phe Gln Pro		
222	420	425	430
223	Arg Gly Tyr Glu Cys Arg Asp Ala Val Asn Glu Cys Asp Ile Thr Glu		
224	435	440	445
225	Tyr Cys Thr Gly Asp Ser Gly Gln Cys Pro Pro Asn Leu His Lys Gln		
226	450	455	460
227	Asp Gly Tyr Ala Cys Asn Gln Asn Gln Gly Arg Cys Tyr Asn Gly Glu		
228	465	470	475
229	Cys Lys Thr Arg Asp Asn Gln Cys Gln Tyr Ile Trp Gly Thr Lys Ala		
230	485	490	495
231	Ala Gly Ser Asp Lys Phe Cys Tyr Glu Lys Leu Asn Thr Glu Gly Thr		
232	500	505	510
233	Glu Lys Gly Asn Cys Gly Lys Asp Gly Asp Arg Trp Ile Gln Cys Ser		
234	515	520	525
235	Lys His Asp Val Phe Cys Gly Phe Leu Leu Cys Thr Asn Leu Thr Arg		
236	530	535	540
237	Ala Pro Arg Ile Gly Gln Leu Gln Gly Glu Ile Ile Pro Thr Ser Phe		
238	545	550	555
239	Tyr His Gln Gly Arg Val Ile Asp Cys Ser Gly Ala His Val Val Leu		
240	565	570	575
241	Asp Asp Asp Thr Asp Val Gly Tyr Val Glu Asp Gly Thr Pro Cys Gly		
242	580	585	590
243	Pro Ser Met Met Cys Leu Asp Arg Lys Cys Leu Gln Ile Gln Ala Leu		
244	595	600	605

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/809,617

DATE: 01/26/2002
TIME: 13:46:02

Input Set : N:\Crf3\RULE60\09809617.raw
Output Set: N:\CRF3\01252002\I809617.raw

L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:273 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:279 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
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L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
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L:303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3